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      Nicolette, Charles, A.

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ggg gac ggc cac atg aaa gtt ttc agc ctc atc cag cag gcg gtg acc    96
Gly Asp Gly His Met Lys Val Phe Ser Leu Ile Gln Gln Ala Val Thr
                20                  25                  30

cgc tac cgg aag gcc atc gcc aag gat cca aac tac tgg ata cag gtg    144
Arg Tyr Arg Lys Ala Ile Ala Lys Asp Pro Asn Tyr Trp Ile Gln Val
            35                  40                  45

cat cgc ttg gaa cat gga gat gga gga ata cta gac ctt gat gac att    192
His Arg Leu Glu His Gly Asp Gly Gly Ile Leu Asp Leu Asp Asp Ile
        50                  55                  60

ctt tgt gat gta gca gac gat aaa gac aga ctg gta gca gtg ttt gat    240
Leu Cys Asp Val Ala Asp Asp Lys Asp Arg Leu Val Ala Val Phe Asp
65                  70                  75                  80

gag cag gat cca cat cac gga ggt gat ggc acc agt gcc agt tcc acg    288
Glu Gln Asp Pro His His Gly Gly Asp Gly Thr Ser Ala Ser Ser Thr
                85                  90                  95

ggt acc cag agc cca gag ata ttt ggt agt gag ctt ggc acc aac aat    336
Gly Thr Gln Ser Pro Glu Ile Phe Gly Ser Glu Leu Gly Thr Asn Asn
                100                 105                 110

gtc tca gcc ttt cag cct tac caa gca aca agt gaa att gag gtc aca    384
Val Ser Ala Phe Gln Pro Tyr Gln Ala Thr Ser Glu Ile Glu Val Thr
            115                 120                 125
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cct tca gtc ctt cga gca aat atg cct ctt cat gtt cga cgc agt agt    432
Pro Ser Val Leu Arg Ala Asn Met Pro Leu His Val Arg Arg Ser Ser
    130             135                 140

gac cca gct cta att ggc ctc tcc act tct gtc agt gat agt aat ttt    480
Asp Pro Ala Leu Ile Gly Leu Ser Thr Ser Val Ser Asp Ser Asn Phe
145             150                 155                 160

tcc tct gaa gag cct tca agg aaa aat ccc aca cgc tgg tca aca aca    528
Ser Ser Glu Glu Pro Ser Arg Lys Asn Pro Thr Arg Trp Ser Thr Thr
            165                 170                 175

gct ggc ttc ctc aag cag aac act gct ggg agt cct aaa acc tgc gac    576
Ala Gly Phe Leu Lys Gln Asn Thr Ala Gly Ser Pro Lys Thr Cys Asp
        180                 185                 190

agg aag gat gag gat ggg aca gaa gag gat aac agt cgt gtt gaa cct    624
Arg Lys Asp Glu Asp Gly Thr Glu Glu Asp Asn Ser Arg Val Glu Pro
        195                 200                 205

gtt gga cat gct gac acg ggt ttg gag cat ata ccc aac ttt tct ctg    672
Val Gly His Ala Asp Thr Gly Leu Glu His Ile Pro Asn Phe Ser Leu
    210                 215                 220

gat gat atg gta aag ctc gta gaa gtc ccc aac gat gga ggg cct ctg    720
Asp Asp Met Val Lys Leu Val Glu Val Pro Asn Asp Gly Gly Pro Leu
225             230                 235                 240

gga atc cat gta gtg cct ttc agt gct cga ggc ggc aga acc ctg ggg    768
Gly Ile His Val Val Pro Phe Ser Ala Arg Gly Gly Arg Thr Leu Gly
            245                 250                 255

tta tta gta aaa cga ttg gag aaa ggt ggt aaa gct gaa cat gaa aat    816
Leu Leu Val Lys Arg Leu Glu Lys Gly Gly Lys Ala Glu His Glu Asn
            260                 265                 270

ctt ttt cgt gag aat gat tgc att gtc agg att aat gat ggc gac ctt    864
Leu Phe Arg Glu Asn Asp Cys Ile Val Arg Ile Asn Asp Gly Asp Leu
        275                 280                 285

cga aat aga aga ttt gaa caa gca caa cat atg ttt cgc caa gcc atg    912
Arg Asn Arg Arg Phe Glu Gln Ala Gln His Met Phe Arg Gln Ala Met
    290                 295                 300

cgt aca ccc atc att tgg ttc cat gtg gtt cct gca gca aat aaa gag    960
Arg Thr Pro Ile Ile Trp Phe His Val Val Pro Ala Ala Asn Lys Glu
305                 310                 315                 320

cag tat gaa caa cta tcc caa agt gag aag aac aat tac tat tca agc   1008
Gln Tyr Glu Gln Leu Ser Gln Ser Glu Lys Asn Asn Tyr Tyr Ser Ser
                325                 330                 335

cgt ttt agc cct gac agc cag tat att gac aac agg agt gtg aac agt   1056
Arg Phe Ser Pro Asp Ser Gln Tyr Ile Asp Asn Arg Ser Val Asn Ser
        340                 345                 350

gca ggg ctt cac acg gtg cag aga gca ccc cga ctg aac cac ccg cct   1104
Ala Gly Leu His Thr Val Gln Arg Ala Pro Arg Leu Asn His Pro Pro
        355                 360                 365

gag cag ata gac tct cac tca aga cta cct cat agc gca cac ccc tcg   1152
Glu Gln Ile Asp Ser His Ser Arg Leu Pro His Ser Ala His Pro Ser
    370                 375                 380
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gga aaa cca cca tcc gct cca gcc tcg gca cct cag aat gta ttt agt    1200
Gly Lys Pro Pro Ser Ala Pro Ala Ser Ala Pro Gln Asn Val Phe Ser
385             390                 395                 400

acg act gta agc agt ggt tat aac acc aaa aaa ata ggc aag agg ctt    1248
Thr Thr Val Ser Ser Gly Tyr Asn Thr Lys Lys Ile Gly Lys Arg Leu
                405                 410                 415

aat atc cag ctt aag aaa ggt aca gaa ggt ttg gga ttc agc atc act    1296
Asn Ile Gln Leu Lys Lys Gly Thr Glu Gly Leu Gly Phe Ser Ile Thr
            420                 425                 430

tcc aga gat gta aca ata ggt ggc tca gct cca atc tat gtg aaa aac    1344
Ser Arg Asp Val Thr Ile Gly Gly Ser Ala Pro Ile Tyr Val Lys Asn
            435                 440                 445

att ctc ccc cgg ggg gcg gcc att cag gat ggc cga ctt aag gca gga    1392
Ile Leu Pro Arg Gly Ala Ala Ile Gln Asp Gly Arg Leu Lys Ala Gly
    450                 455                 460

gac aga ctt ata gag gta aat gga gta gat tta gtg ggc aaa tcc caa    1440
Asp Arg Leu Ile Glu Val Asn Gly Val Asp Leu Val Gly Lys Ser Gln
465                 470                 475                 480

gag gaa gtt gtt tcg ctg ttg aga agc acc aag atg gaa gga act gtg    1488
Glu Glu Val Val Ser Leu Leu Arg Ser Thr Lys Met Glu Gly Thr Val
                485                 490                 495

agc ctt ctg gtc ttt cgc cag gaa gac gcc ttc cac cca agg gaa ctg    1536
Ser Leu Leu Val Phe Arg Gln Glu Asp Ala Phe His Pro Arg Glu Leu
            500                 505                 510

aaa gca gaa gat gag gat att gtt ctt aca cct gat ggc acc agg gaa    1584
Lys Ala Glu Asp Glu Asp Ile Val Leu Thr Pro Asp Gly Thr Arg Glu
            515                 520                 525

ttt ctg aca ttt gaa gtc cca ctt aat gat tca gga tct gca ggc ctt    1632
Phe Leu Thr Phe Glu Val Pro Leu Asn Asp Ser Gly Ser Ala Gly Leu
    530                 535                 540

ggt gtc agt gtc aaa ggt aac cgg tca aaa gag aac cac gca gat ttg    1680
Gly Val Ser Val Lys Gly Asn Arg Ser Lys Glu Asn His Ala Asp Leu
545                 550                 555                 560

gga atc ttt gtc aag tcc att att aat gga gga gca gca tct aaa gat    1728
Gly Ile Phe Val Lys Ser Ile Ile Asn Gly Gly Ala Ala Ser Lys Asp
                565                 570                 575

gga agg ctt cgg gtg aat gat caa ctg ata gca gta aat gga gaa tcc    1776
Gly Arg Leu Arg Val Asn Asp Gln Leu Ile Ala Val Asn Gly Glu Ser
            580                 585                 590

ctg ttg ggc aag aca aac caa gat gcc atg gaa acc cta aga agg tct    1824
Leu Leu Gly Lys Thr Asn Gln Asp Ala Met Glu Thr Leu Arg Arg Ser
            595                 600                 605

atg tct act gaa ggc aat aaa cga gga atg atc cag ctt att gtt gca    1872
Met Ser Thr Glu Gly Asn Lys Arg Gly Met Ile Gln Leu Ile Val Ala
610                 615                 620

agg aga ata agc aag tgc aat gag ctg aag tca cct ggg agc ccc cct    1920
Arg Arg Ile Ser Lys Cys Asn Glu Leu Lys Ser Pro Gly Ser Pro Pro
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625                      630                      635                      640

gga cct gag ctg ccc att gaa aca gcg ttg gat gat aga gaa cga aga    1968
Gly Pro Glu Leu Pro Ile Glu Thr Ala Leu Asp Asp Arg Glu Arg Arg
            645             650             655

att tcc cat tcc ctc tac agt ggg att gag ggg ctt gat gaa tcc cca    2016
Ile Ser His Ser Leu Tyr Ser Gly Ile Glu Gly Leu Asp Glu Ser Pro
            660             665             670

agc aga aat gct gcc ctc agt agg ata atg ggt aaa tac cag ctg tcc    2064
Ser Arg Asn Ala Ala Leu Ser Arg Ile Met Gly Lys Tyr Gln Leu Ser
            675             680             685

cct aca gtg aat atg ccc caa gat gac act gtc att ata gaa gat gac    2112
Pro Thr Val Asn Met Pro Gln Asp Asp Thr Val Ile Ile Glu Asp Asp
    690             695             700

agg ttg cca gtg ctt cct cca cat ctc tct gac cag tcc tct tcc agc    2160
Arg Leu Pro Val Leu Pro Pro His Leu Ser Asp Gln Ser Ser Ser Ser
705             710             715             720

tcc cat gat gat gtg ggg ttt gtg acg gca gat gct ggt act tgg gcc    2208
Ser His Asp Asp Val Gly Phe Val Thr Ala Asp Ala Gly Thr Trp Ala
                725             730             735

aag gct gca atc agt gat tca gcc gac tgc tct ttg agt cca gat gtt    2256
Lys Ala Ala Ile Ser Asp Ser Ala Asp Cys Ser Leu Ser Pro Asp Val
            740             745             750

gat cca gtt ctt gct ttt caa cga gaa gga ttt gga cgt cag ata gct    2304
Asp Pro Val Leu Ala Phe Gln Arg Glu Gly Phe Gly Arg Gln Ile Ala
            755             760             765

gac gag act aaa ctc aat aca gtg gat gac cag aaa gca ggt tct ccc    2352
Asp Glu Thr Lys Leu Asn Thr Val Asp Asp Gln Lys Ala Gly Ser Pro
    770             775             780

agc aga gat gtg ggt cct tcc ctg ggt ctg aag aag tca agc tcg ttg    2400
Ser Arg Asp Val Gly Pro Ser Leu Gly Leu Lys Lys Ser Ser Ser Leu
785             790             795             800

gag agt ctg cag acc gca gtt gcc gag gtg act ttg aat ggg gat att    2448
Glu Ser Leu Gln Thr Ala Val Ala Glu Val Thr Leu Asn Gly Asp Ile
                805             810             815

cct ttc cat cgt cca cgg ccg cgg ata atc aga ggc agg gga tgc aat    2496
Pro Phe His Arg Pro Arg Pro Arg Ile Ile Arg Gly Arg Gly Cys Asn
                820             825             830

gag agc ttc aga gct gcc atc gac aaa tct tat gat aaa ccc gcg gta    2544
Glu Ser Phe Arg Ala Ala Ile Asp Lys Ser Tyr Asp Lys Pro Ala Val
            835             840             845

gat gat gat gat gag ggc atg gag acc ttg gaa gaa gac aca gaa gaa    2592
Asp Asp Asp Asp Glu Gly Met Glu Thr Leu Glu Glu Asp Thr Glu Glu
    850             855             860

agt tca aga tca ggg aga gag tct gta tcc aca gcc agt gat cag cct    2640
Ser Ser Arg Ser Gly Arg Glu Ser Val Ser Thr Ala Ser Asp Gln Pro
865             870             875             880

tcc cac tct ctg gag aga caa atg aat gga aac caa gag aaa ggt gat    2688
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Ser His Ser Leu Glu Arg Gln Met Asn Gly Asn Gln Glu Lys Gly Asp
            885   890   895

aag act gat aga aaa aag gat aaa act gga aaa gaa aag aag aaa gat   2736
Lys Thr Asp Arg Lys Lys Asp Lys Thr Gly Lys Glu Lys Lys Lys Asp
            900   905   910

aga gat aag gag aag gat aaa atg aaa gcc aag aag gga atg ctg aag   2784
Arg Asp Lys Glu Lys Asp Lys Met Lys Ala Lys Lys Gly Met Leu Lys
      915   920   925

ggc ttg gga gac atg ttc agg ttt ggc aaa cat cga aaa gat gac aag   2832
Gly Leu Gly Asp Met Phe Arg Phe Gly Lys His Arg Lys Asp Asp Lys
      930   935   940

att gag aaa acg ggt aaa ata aaa ata cag gaa tcc ttt aca tca gaa   2880
Ile Glu Lys Thr Gly Lys Ile Lys Ile Gln Glu Ser Phe Thr Ser Glu
945   950   955   960

gag gag agg ata cga atg aag cag gag cag gag agg att caa gcc aaa   2928
Glu Glu Arg Ile Arg Met Lys Gln Glu Gln Glu Arg Ile Gln Ala Lys
            965   970   975

act cga gaa ttt agg gaa cga caa gct cga gag cgt gac tat gct gaa   2976
Thr Arg Glu Phe Arg Glu Arg Gln Ala Arg Glu Arg Asp Tyr Ala Glu
            980   985   990

att caa gat ttt cat cgg aca ttt ggc tgt gat gat gag tta atg tat   3024
Ile Gln Asp Phe His Arg Thr Phe Gly Cys Asp Asp Glu Leu Met Tyr
         995   1000   1005

ggg gga gtt tct tct tat gaa ggt tcc atg gct ctc aac gct aga cct   3072
Gly Gly Val Ser Ser Tyr Glu Gly Ser Met Ala Leu Asn Ala Arg Pro
      1010   1015   1020

cag agc cca cga gaa ggg cat atg atg gat gct ttg tat gcc caa gtc   3120
Gln Ser Pro Arg Glu Gly His Met Met Asp Ala Leu Tyr Ala Gln Val
1025   1030   1035   1040

aag aag ccg cgg aat tcc aaa ccc tca cct gta gac agt aac aga tca   3168
Lys Lys Pro Arg Asn Ser Lys Pro Ser Pro Val Asp Ser Asn Arg Ser
            1045   1050   1055

act cct agc aat cat gat cgg ata cag cgt ctg agg caa gaa ttt cag   3216
Thr Pro Ser Asn His Asp Arg Ile Gln Arg Leu Arg Gln Glu Phe Gln
            1060   1065   1070

caa gca aag caa gat gaa gat gta gaa gat cgt cgg cgg acc tat agt   3264
Gln Ala Lys Gln Asp Glu Asp Val Glu Asp Arg Arg Arg Thr Tyr Ser
        1075   1080   1085

ttt gag caa ccc tgg ccg aac gca cgg ccg gcg acg cag agc ggg cga   3312
Phe Glu Gln Pro Trp Pro Asn Ala Arg Pro Ala Thr Gln Ser Gly Arg
      1090   1095   1100

cac tcg gtg tcc gtg gag gtg cag atg cag cgg cag cgg cag gag gag   3360
His Ser Val Ser Val Glu Val Gln Met Gln Arg Gln Arg Gln Glu Glu
1105   1110   1115   1120

cgc gag agc tcc cag cag gcc cag cgc cag tac agc tct ctg cct cgg   3408
Arg Glu Ser Ser Gln Gln Ala Gln Arg Gln Tyr Ser Ser Leu Pro Arg
        1125   1130   1135

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caa agc agg aaa aat gcc agc tcg gtc tcc cag gac tct tgg gag cag    3456
Gln Ser Arg Lys Asn Ala Ser Ser Val Ser Gln Asp Ser Trp Glu Gln
        1140                1145                1150

aac tac tcc cct ggg gaa ggc ttc cag agt gcc aaa gag aac ccc agg    3504
Asn Tyr Ser Pro Gly Glu Gly Phe Gln Ser Ala Lys Glu Asn Pro Arg
        1155                1160                1165

tac tcc agc tac caa ggc tcc agg aac ggc tac ctg gga gga cat ggc    3552
Tyr Ser Ser Tyr Gln Gly Ser Arg Asn Gly Tyr Leu Gly Gly His Gly
        1170                1175                1180

ttc aac gcc agg gtc atg ctg gaa act cag gag ctc ctt cgc cag gaa    3600
Phe Asn Ala Arg Val Met Leu Glu Thr Gln Glu Leu Leu Arg Gln Glu
1185                1190                1195                1200

cag agg cgg aag gag cag cag atg aag aag cag cct cct tcc gag ggg    3648
Gln Arg Arg Lys Glu Gln Gln Met Lys Lys Gln Pro Pro Ser Glu Gly
                1205                1210                1215

ccc agc aac tat gac tcg tat aag aaa gtc cag gac ccc agt tac gcc    3696
Pro Ser Asn Tyr Asp Ser Tyr Lys Lys Val Gln Asp Pro Ser Tyr Ala
            1220                1225                1230

cct ccc aag ggg ccc ttc cgg caa gat gtg ccc ccc tcc cct tct cag    3744
Pro Pro Lys Gly Pro Phe Arg Gln Asp Val Pro Pro Ser Pro Ser Gln
            1235                1240                1245

gtt gcg agg ctg aac aga ctt cag act cct gag aaa ggg agg ccc ttc    3792
Val Ala Arg Leu Asn Arg Leu Gln Thr Pro Glu Lys Gly Arg Pro Phe
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tat tcc tga                                                         3801
Tyr Ser  *
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            20                  25                  30
Arg Tyr Arg Lys Ala Ile Ala Lys Asp Pro Asn Tyr Trp Ile Gln Val
        35                  40                  45
His Arg Leu Glu His Gly Asp Gly Gly Ile Leu Asp Leu Asp Asp Ile
    50                  55                  60
Leu Cys Asp Val Ala Asp Asp Lys Asp Arg Leu Val Ala Val Phe Asp
65                  70                  75                  80
Glu Gln Asp Pro His His Gly Gly Asp Gly Thr Ser Ala Ser Ser Thr
                85                  90                  95
Gly Thr Gln Ser Pro Glu Ile Phe Gly Ser Glu Leu Gly Thr Asn Asn
            100                 105                 110
Val Ser Ala Phe Gln Pro Tyr Gln Ala Thr Ser Glu Ile Glu Val Thr
        115                 120                 125
Pro Ser Val Leu Arg Ala Asn Met Pro Leu His Val Arg Arg Ser Ser
    130                 135                 140
Asp Pro Ala Leu Ile Gly Leu Ser Thr Ser Val Ser Asp Ser Asn Phe
145                 150                 155                 160
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Ser Ser Glu Glu Pro Ser Arg Lys Asn Pro Thr Arg Trp Ser Thr Thr
            165             170             175
Ala Gly Phe Leu Lys Gln Asn Thr Ala Gly Ser Pro Lys Thr Cys Asp
        180             185             190
Arg Lys Asp Glu Asp Gly Thr Glu Glu Asp Asn Ser Arg Val Glu Pro
        195             200             205
Val Gly His Ala Asp Thr Gly Leu Glu His Ile Pro Asn Phe Ser Leu
    210             215             220
Asp Asp Met Val Lys Leu Val Glu Val Pro Asn Asp Gly Gly Pro Leu
225             230             235             240
Gly Ile His Val Val Pro Phe Ser Ala Arg Gly Gly Arg Thr Leu Gly
            245             250             255
Leu Leu Val Lys Arg Leu Glu Lys Gly Gly Lys Ala Glu His Glu Asn
        260             265             270
Leu Phe Arg Glu Asn Asp Cys Ile Val Arg Ile Asn Asp Gly Asp Leu
        275             280             285
Arg Asn Arg Arg Phe Glu Gln Ala Gln His Met Phe Arg Gln Ala Met
    290             295             300
Arg Thr Pro Ile Ile Trp Phe His Val Val Pro Ala Ala Asn Lys Glu
305             310             315             320
Gln Tyr Glu Gln Leu Ser Gln Ser Glu Lys Asn Asn Tyr Tyr Ser Ser
            325             330             335
Arg Phe Ser Pro Asp Ser Gln Tyr Ile Asp Asn Arg Ser Val Asn Ser
            340             345             350
Ala Gly Leu His Thr Val Gln Arg Ala Pro Arg Leu Asn His Pro Pro
        355             360             365
Glu Gln Ile Asp Ser His Ser Arg Leu Pro His Ser Ala His Pro Ser
    370             375             380
Gly Lys Pro Pro Ser Ala Pro Ala Ser Ala Pro Gln Asn Val Phe Ser
385             390             395             400
Thr Thr Val Ser Ser Gly Tyr Asn Thr Lys Lys Ile Gly Lys Arg Leu
            405             410             415
Asn Ile Gln Leu Lys Lys Gly Thr Glu Gly Leu Gly Phe Ser Ile Thr
        420             425             430
Ser Arg Asp Val Thr Ile Gly Gly Ser Ala Pro Ile Tyr Val Lys Asn
        435             440             445
Ile Leu Pro Arg Gly Ala Ala Ile Gln Asp Gly Arg Leu Lys Ala Gly
    450             455             460
Asp Arg Leu Ile Glu Val Asn Gly Val Asp Leu Val Gly Lys Ser Gln
465             470             475             480
Glu Glu Val Val Ser Leu Leu Arg Ser Thr Lys Met Glu Gly Thr Val
            485             490             495
Ser Leu Leu Val Phe Arg Gln Glu Asp Ala Phe His Pro Arg Glu Leu
            500             505             510
Lys Ala Glu Asp Glu Asp Ile Val Leu Thr Pro Asp Gly Thr Arg Glu
        515             520             525
Phe Leu Thr Phe Glu Val Pro Leu Asn Asp Ser Gly Ser Ala Gly Leu
    530             535             540
Gly Val Ser Val Lys Gly Asn Arg Ser Lys Glu Asn His Ala Asp Leu
545             550             555             560
Gly Ile Phe Val Lys Ser Ile Ile Asn Gly Gly Ala Ala Ser Lys Asp
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Gly Arg Leu Arg Val Asn Asp Gln Leu Ile Ala Val Asn Gly Glu Ser
        580             585             590
Leu Leu Gly Lys Thr Asn Gln Asp Ala Met Glu Thr Leu Arg Arg Ser
        595             600             605
Met Ser Thr Glu Gly Asn Lys Arg Gly Met Ile Gln Leu Ile Val Ala
    610             615             620
Arg Arg Ile Ser Lys Cys Asn Glu Leu Lys Ser Pro Gly Ser Pro Pro
625             630             635             640
Gly Pro Glu Leu Pro Ile Glu Thr Ala Leu Asp Asp Arg Glu Arg Arg
            645             650             655
Ile Ser His Ser Leu Tyr Ser Gly Ile Glu Gly Leu Asp Glu Ser Pro
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                    660                   665                   670
Ser Arg Asn Ala Ala Leu Ser Arg Ile Met Gly Lys Tyr Gln Leu Ser
        675                   680                   685
Pro Thr Val Asn Met Pro Gln Asp Asp Thr Val Ile Ile Glu Asp Asp
    690                   695                   700
Arg Leu Pro Val Leu Pro Pro His Leu Ser Asp Gln Ser Ser Ser Ser
705                   710                   715                   720
Ser His Asp Asp Val Gly Phe Val Thr Ala Asp Ala Gly Thr Trp Ala
                725                   730                   735
Lys Ala Ala Ile Ser Asp Ser Ala Asp Cys Ser Leu Ser Pro Asp Val
            740                   745                   750
Asp Pro Val Leu Ala Phe Gln Arg Glu Gly Phe Gly Arg Gln Ile Ala
        755                   760                   765
Asp Glu Thr Lys Leu Asn Thr Val Asp Asp Gln Lys Ala Gly Ser Pro
    770                   775                   780
Ser Arg Asp Val Gly Pro Ser Leu Gly Leu Lys Lys Ser Ser Ser Leu
785                   790                   795                   800
Glu Ser Leu Gln Thr Ala Val Ala Glu Val Thr Leu Asn Gly Asp Ile
                805                   810                   815
Pro Phe His Arg Pro Arg Pro Arg Ile Ile Arg Gly Arg Gly Cys Asn
            820                   825                   830
Glu Ser Phe Arg Ala Ala Ile Asp Lys Ser Tyr Asp Lys Pro Ala Val
            835                   840                   845
Asp Asp Asp Asp Glu Gly Met Glu Thr Leu Glu Glu Asp Thr Glu Glu
    850                   855                   860
Ser Ser Arg Ser Gly Arg Glu Ser Val Ser Thr Ala Ser Asp Gln Pro
865                   870                   875                   880
Ser His Ser Leu Glu Arg Gln Met Asn Gly Asn Gln Glu Lys Gly Asp
                885                   890                   895
Lys Thr Asp Arg Lys Lys Asp Lys Thr Gly Lys Glu Lys Lys Lys Asp
            900                   905                   910
Arg Asp Lys Glu Lys Asp Lys Met Lys Ala Lys Lys Gly Met Leu Lys
        915                   920                   925
Gly Leu Gly Asp Met Phe Arg Phe Gly Lys His Arg Lys Asp Asp Lys
    930                   935                   940
Ile Glu Lys Thr Gly Lys Ile Lys Ile Gln Glu Ser Phe Thr Ser Glu
945                   950                   955                   960
Glu Glu Arg Ile Arg Met Lys Gln Glu Gln Glu Arg Ile Gln Ala Lys
                965                   970                   975
Thr Arg Glu Phe Arg Glu Arg Gln Ala Arg Glu Arg Asp Tyr Ala Glu
            980                   985                   990
Ile Gln Asp Phe His Arg Thr Phe Gly Cys Asp Asp Glu Leu Met Tyr
            995                   1000                  1005
Gly Gly Val Ser Ser Tyr Glu Gly Ser Met Ala Leu Asn Ala Arg Pro
    1010                  1015                  1020
Gln Ser Pro Arg Glu Gly His Met Met Asp Ala Leu Tyr Ala Gln Val
1025                  1030                  1035                  1040
Lys Lys Pro Arg Asn Ser Lys Pro Ser Pro Val Asp Ser Asn Arg Ser
                1045                  1050                  1055
Thr Pro Ser Asn His Asp Arg Ile Gln Arg Leu Arg Gln Glu Phe Gln
            1060                  1065                  1070
Gln Ala Lys Gln Asp Glu Asp Val Glu Asp Arg Arg Thr Tyr Ser
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Phe Glu Gln Pro Trp Pro Asn Ala Arg Pro Ala Thr Gln Ser Gly Arg
    1090                  1095                  1100
His Ser Val Ser Val Glu Val Gln Met Gln Arg Gln Arg Gln Glu Glu
1105                  1110                  1115                  1120
Arg Glu Ser Ser Gln Gln Ala Gln Arg Gln Tyr Ser Ser Leu Pro Arg
                1125                  1130                  1135
Gln Ser Arg Lys Asn Ala Ser Ser Val Ser Gln Asp Ser Trp Glu Gln
            1140                  1145                  1150
Asn Tyr Ser Pro Gly Glu Gly Phe Gln Ser Ala Lys Glu Asn Pro Arg
            1155                  1160                  1165
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Tyr Ser Ser Tyr Gln Gly Ser Arg Asn Gly Tyr Leu Gly Gly His Gly
    1170              1175              1180
Phe Asn Ala Arg Val Met Leu Glu Thr Gln Glu Leu Leu Arg Gln Glu
1185              1190              1195              1200
Gln Arg Arg Lys Glu Gln Gln Met Lys Lys Gln Pro Pro Ser Glu Gly
              1205              1210              1215
Pro Ser Asn Tyr Asp Ser Tyr Lys Lys Val Gln Asp Pro Ser Tyr Ala
              1220              1225              1230
Pro Pro Lys Gly Pro Phe Arg Gln Asp Val Pro Pro Ser Pro Ser Gln
          1235              1240              1245
Val Ala Arg Leu Asn Arg Leu Gln Thr Pro Glu Lys Gly Arg Pro Phe
      1250              1255              1260
Tyr Ser
1265
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 1               5


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 1               5


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ttyctnacng aygargcnmg nwsngtn                                    27

<210> 7
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<211> 9
<212> PRT
<213> Homo sapiens

<400> 7
Phe Leu Asp Asp Glu Ile Met Arg Val
 1   5

<210> 8
<211> 27
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 6, 24, 27
<223> n = A,T,C or G

<400> 8
ttyctngayg aygarathat gmgngtn   27

<210> 9
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<213> Homo sapiens

<400> 9
Phe Leu Asp Asp Glu Ile Thr Phe Val
 1   5

<210> 10
<211> 27
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 10
ttyctngayg aygarathac nttygtn   27

<210> 11
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<213> Homo sapiens

<400> 11
Ile Ile Glu Asp Asp Arg Leu Pro Val
 1   5

<210> 12
<211> 27
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 21, 24, 27

<223> n = A,T,C or G

<400> 12   27
athathgarg aygaycgnyt nccngtn